

FIG. 1

The diagram illustrates a vehicle brake system 10 and its control system 14. The brake system 10 includes a master cylinder 120, a pump 122, a pressure sensor 124, and four wheel cylinders 140FR, 140RR, 140FL, 140RL. Each wheel cylinder is actuated by a solenoid valve 142 and a check valve 144. The control system 14 includes a BRAKE ECU 160 with a CPU 150, RAM 152, and ROM 154. It receives signals from a pressure sensor 124, a master cylinder pressure sensor 126, and a brake pedal position sensor 128. The ECU controls the solenoid valves 142 via a control line 146. The system also includes a brake pedal 12, a brake pedal position sensor 124, a brake pedal stroke sensor 126, and a brake pedal stroke sensor 128.

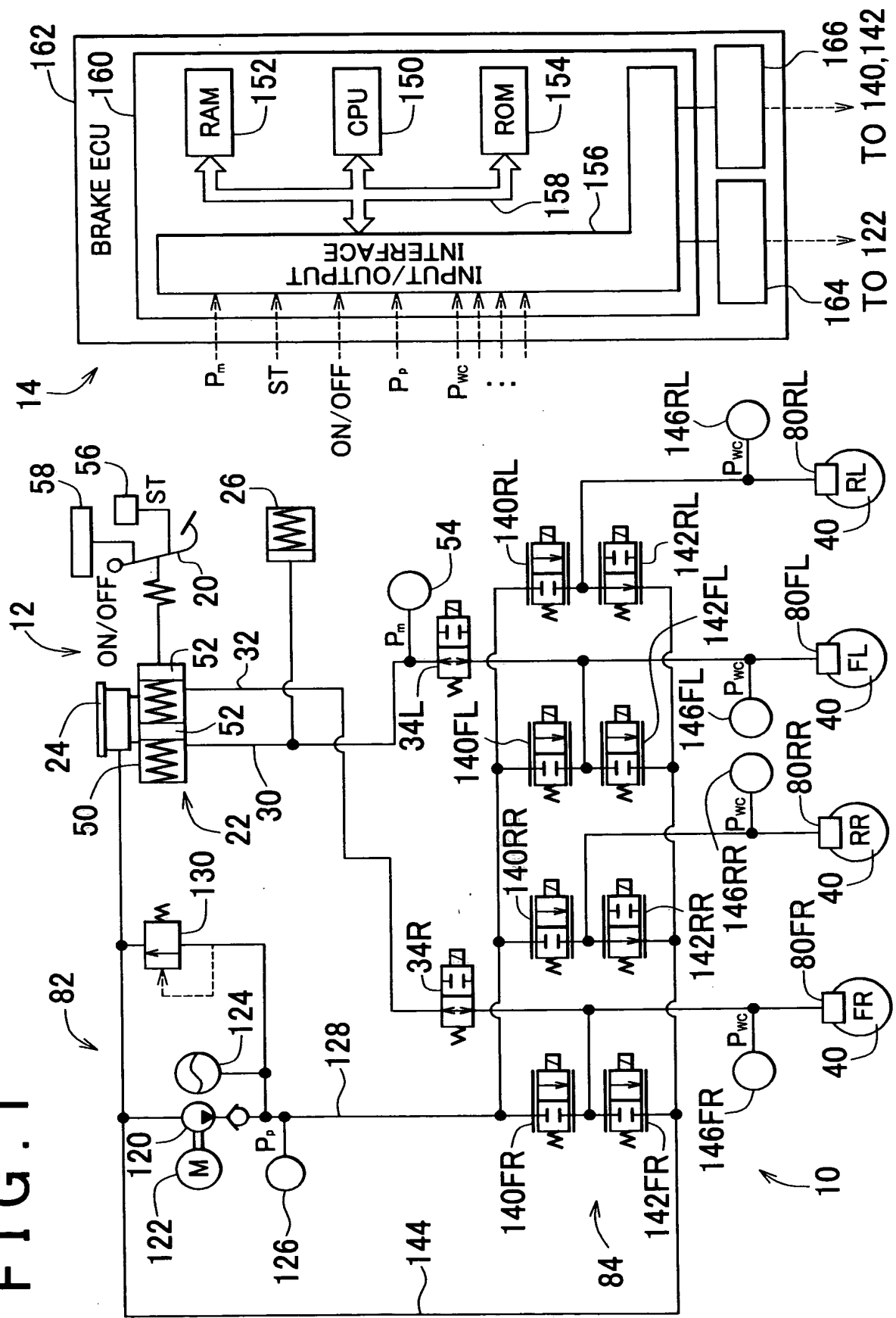


FIG. 2

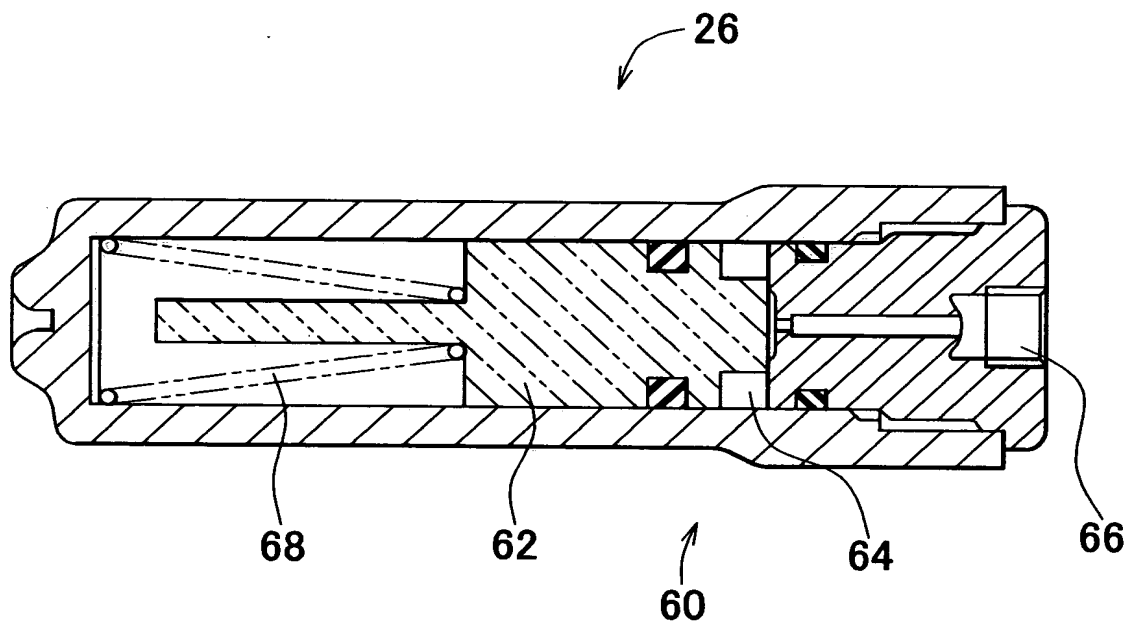


FIG. 3

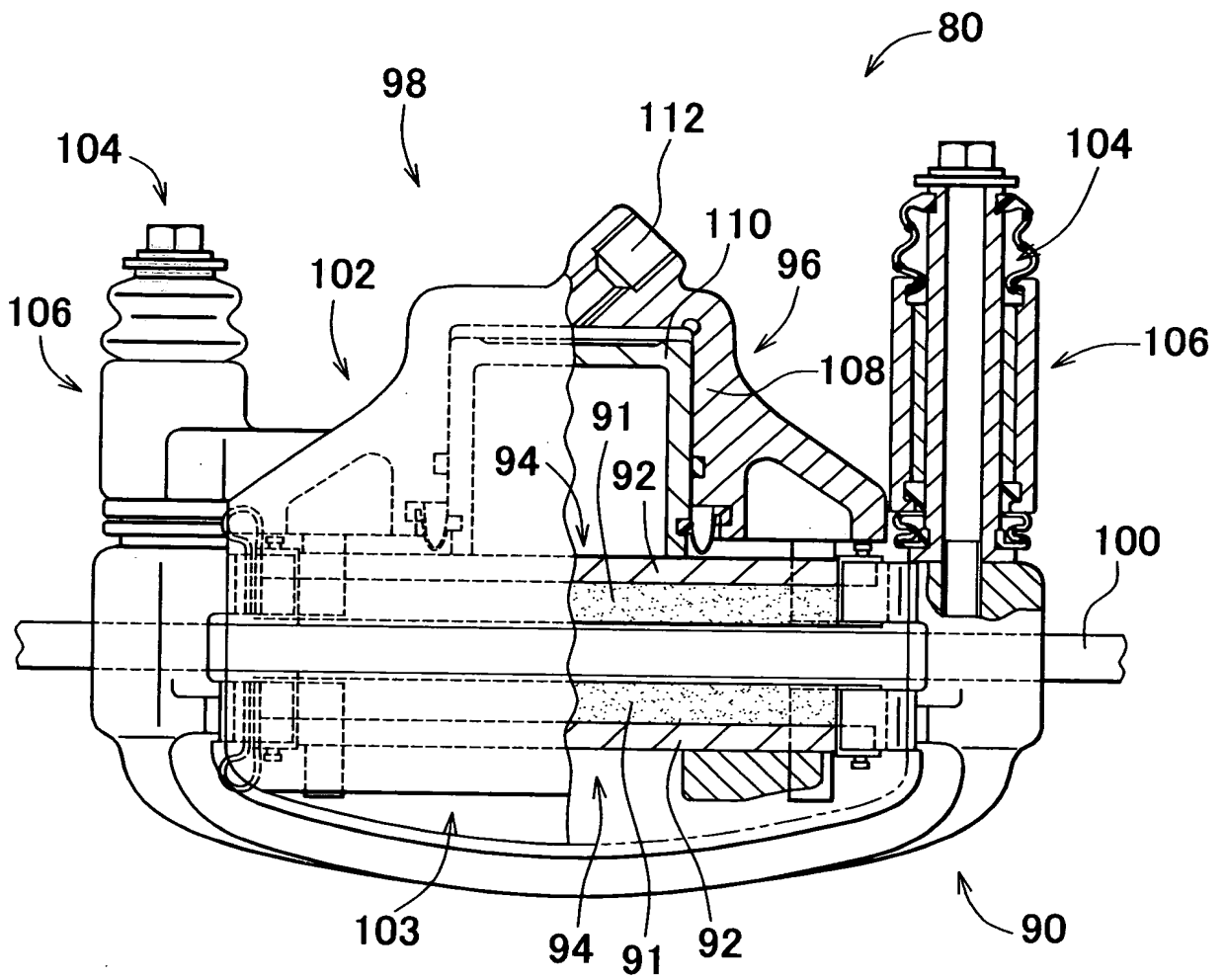


FIG. 4

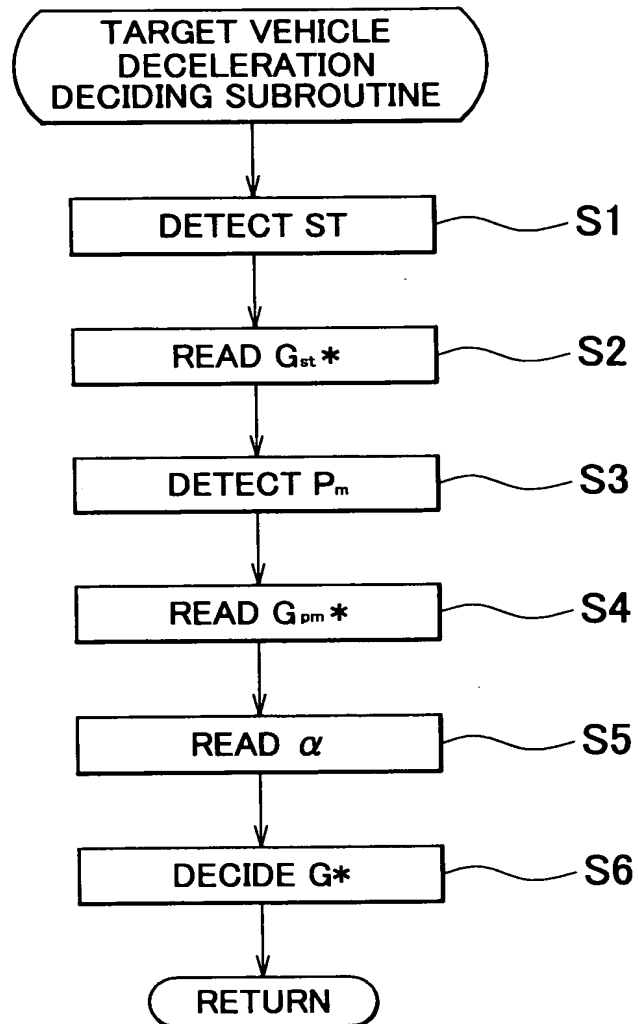


FIG. 5

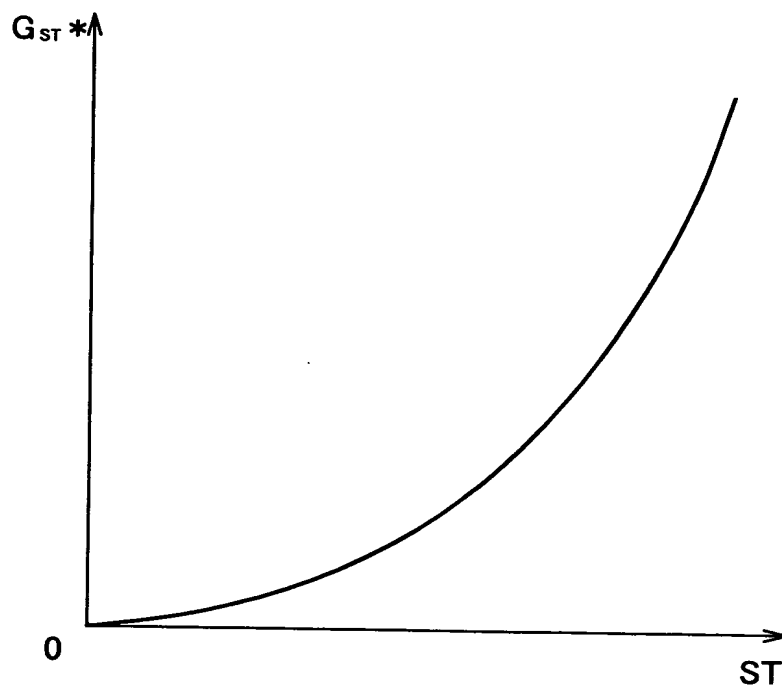


FIG. 6

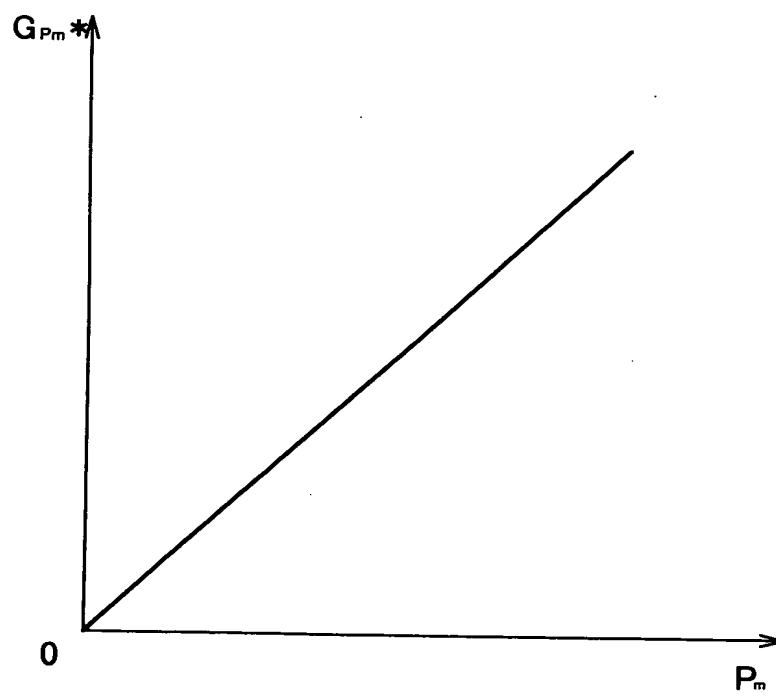


FIG. 7

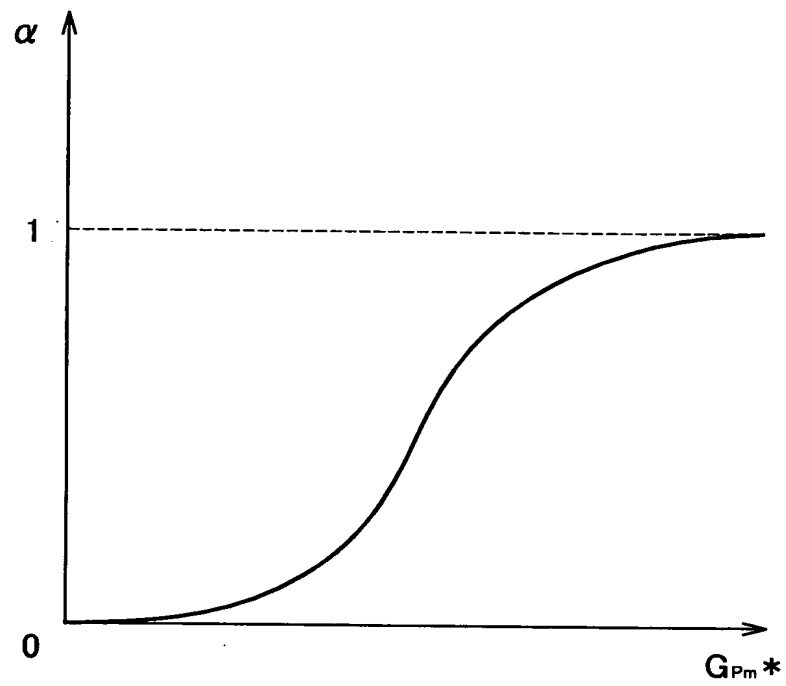


FIG. 8

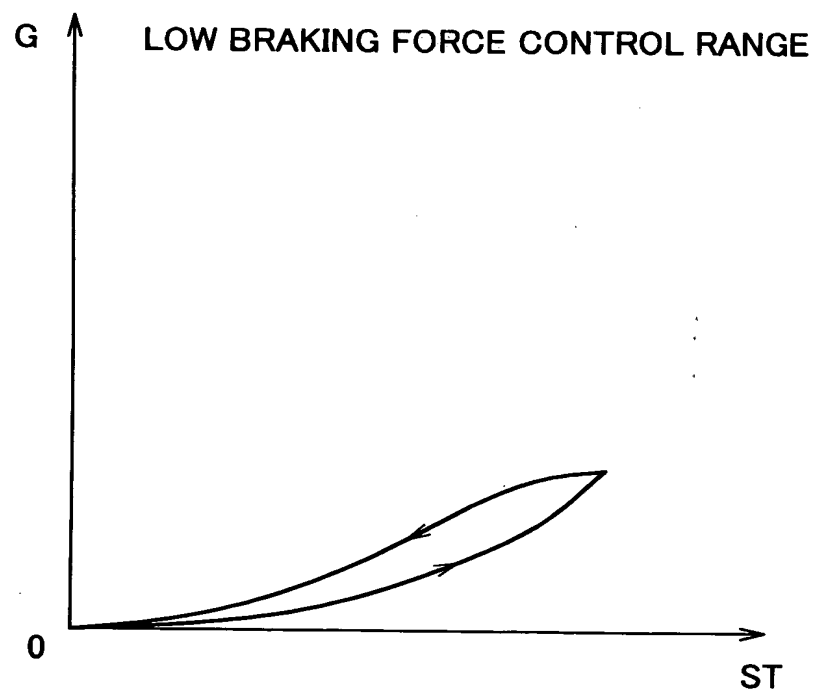


FIG. 9

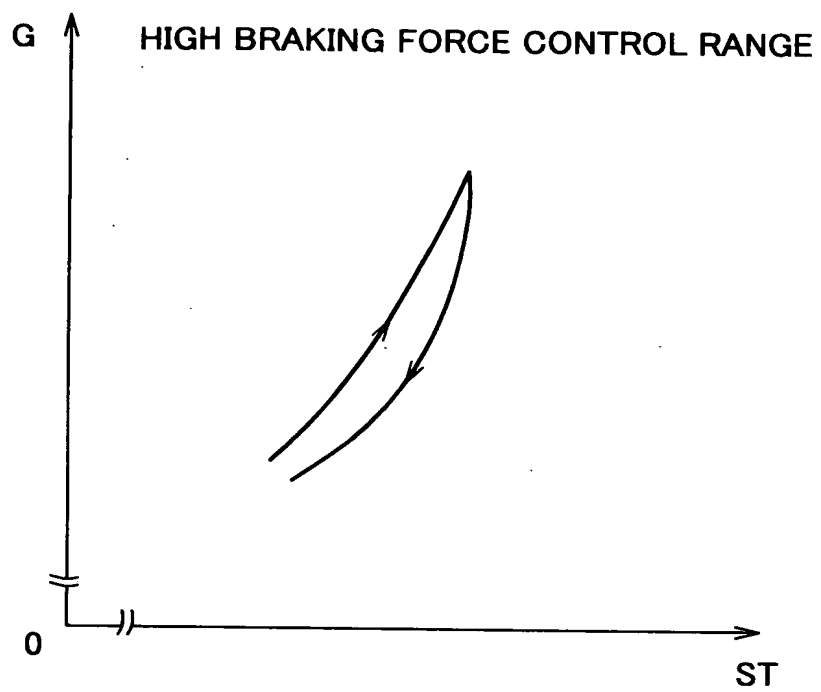


FIG. 10

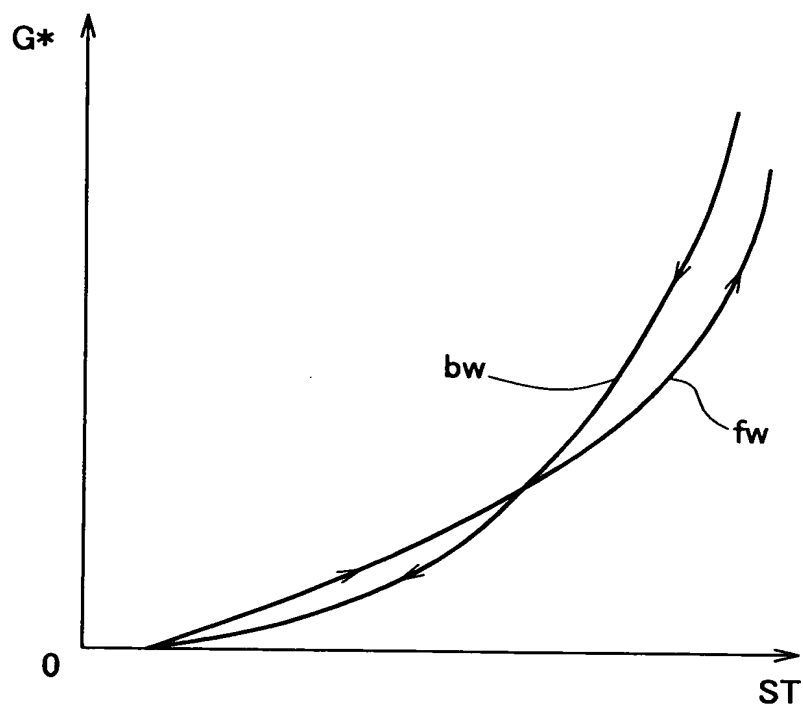


FIG. 11

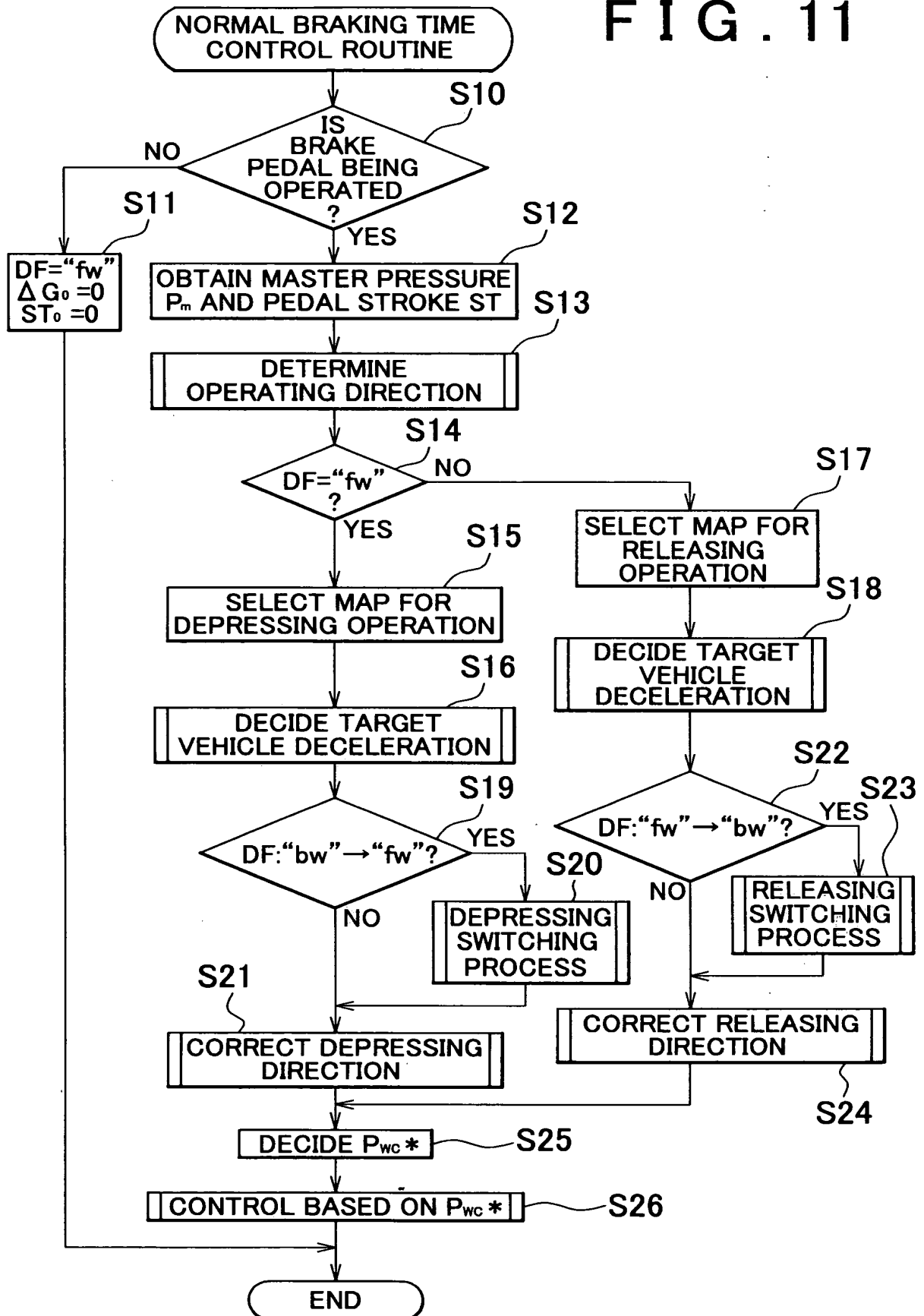


FIG. 12

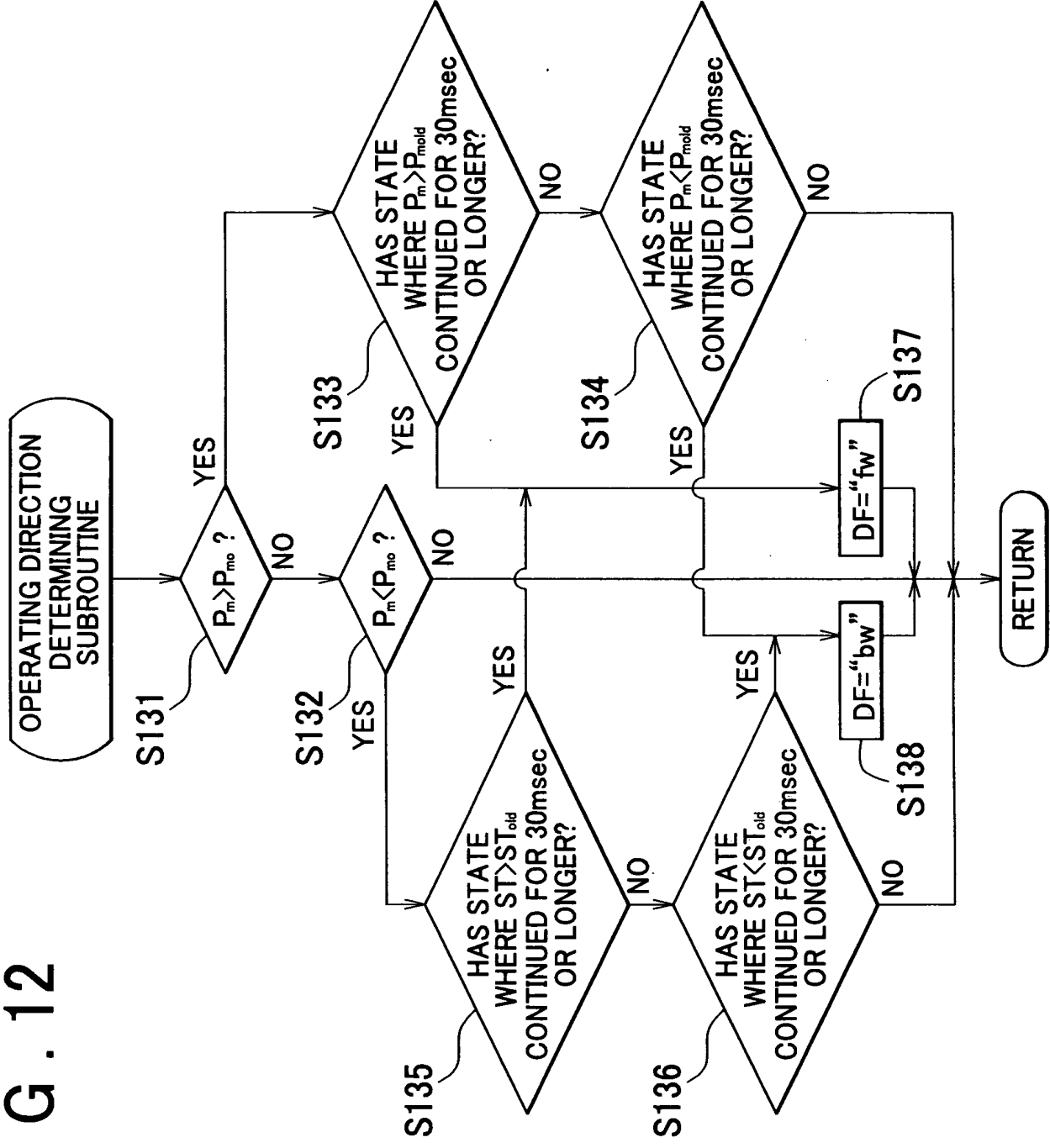


FIG. 13

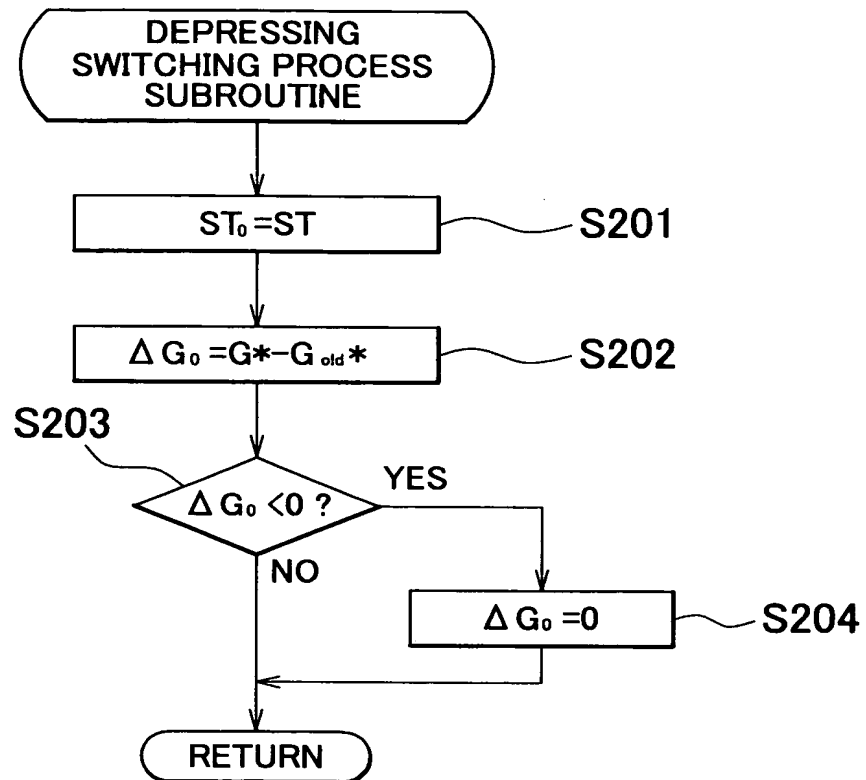


FIG. 14

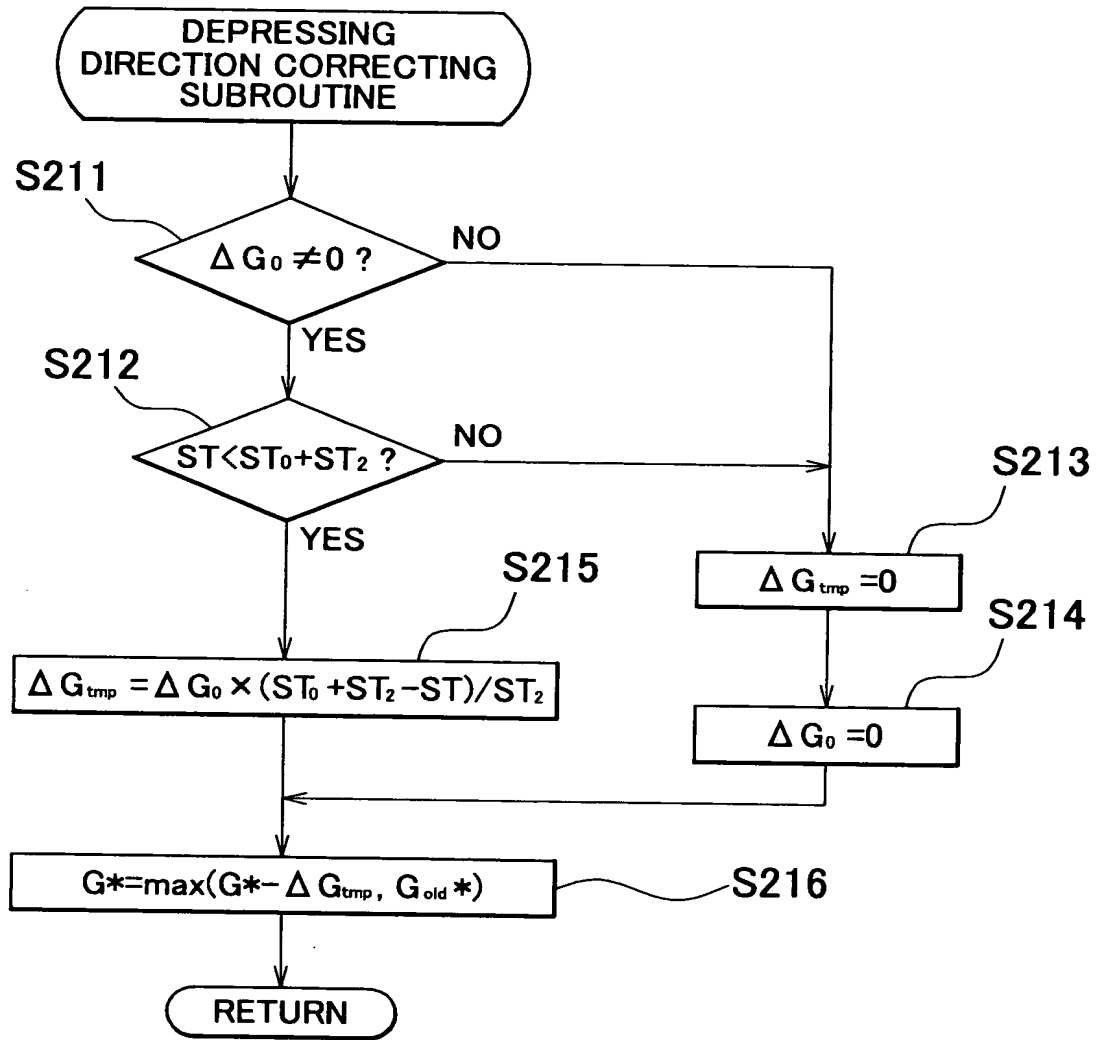


FIG. 15

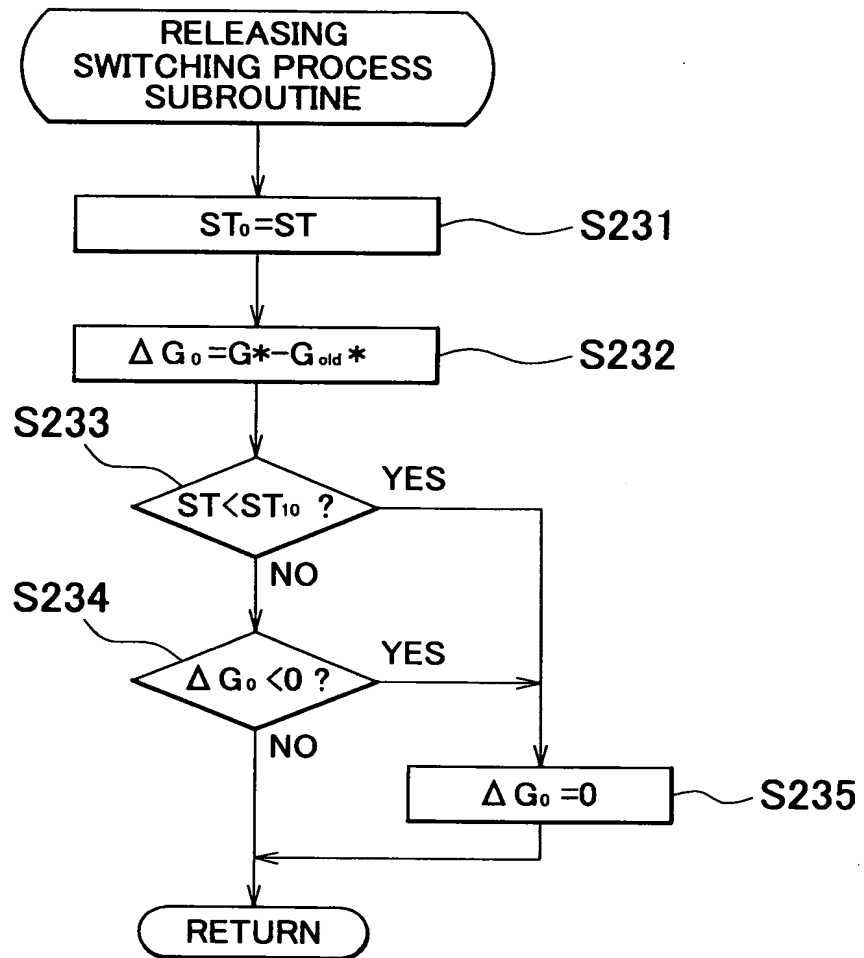


FIG. 16

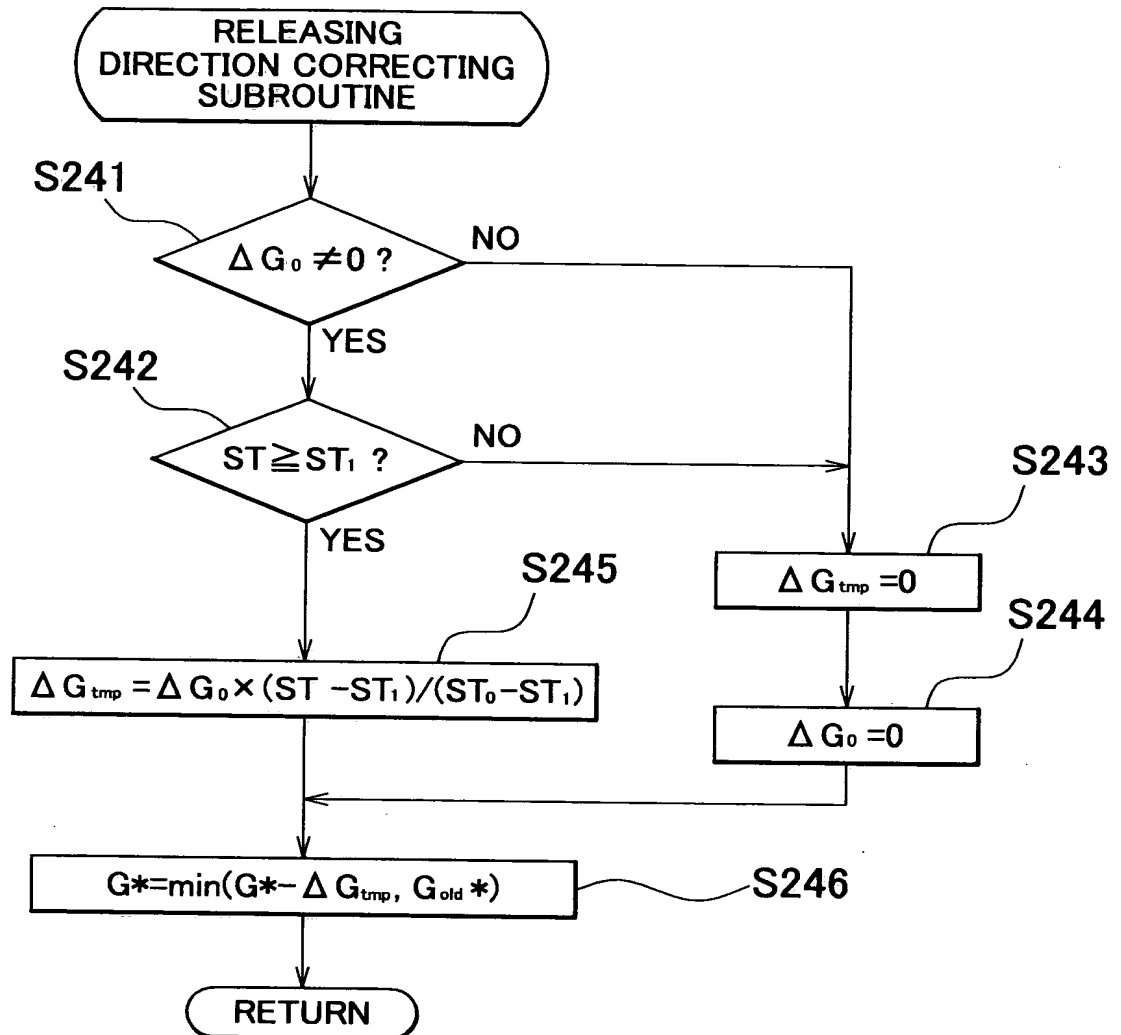


FIG. 17A

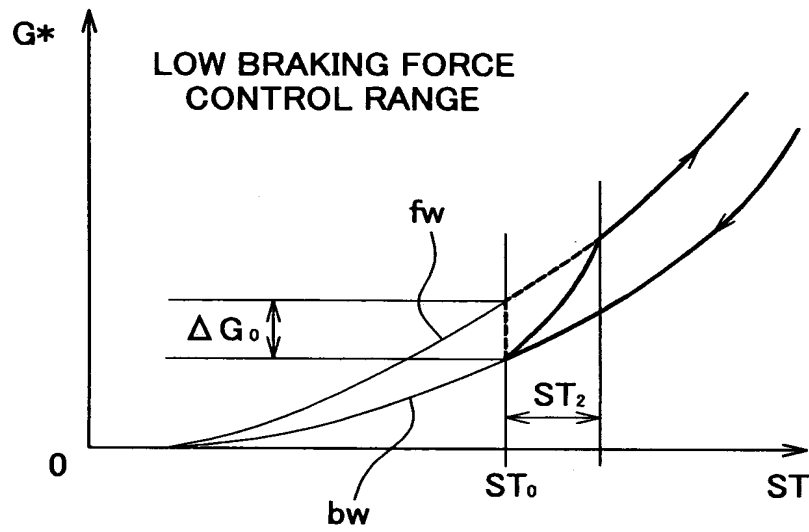


FIG. 17B

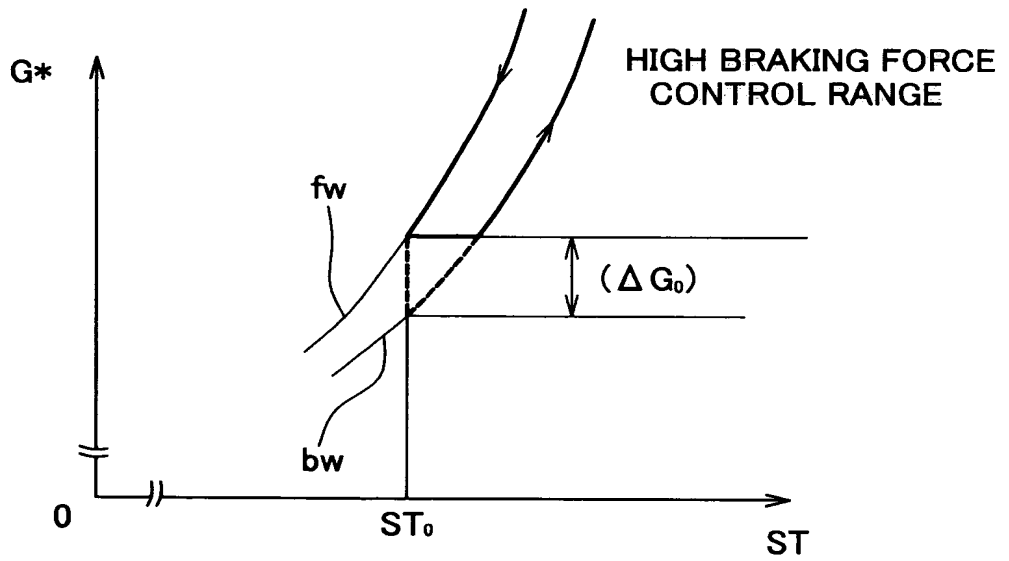


FIG. 18A

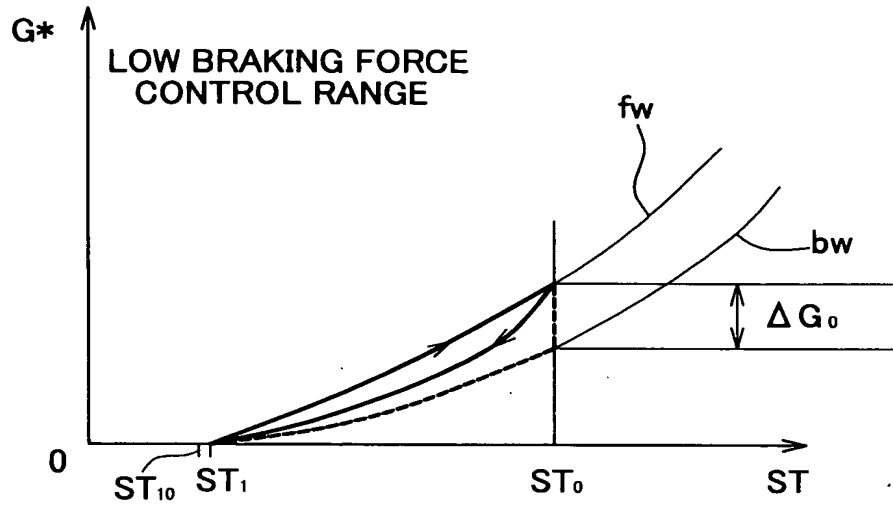


FIG. 18B

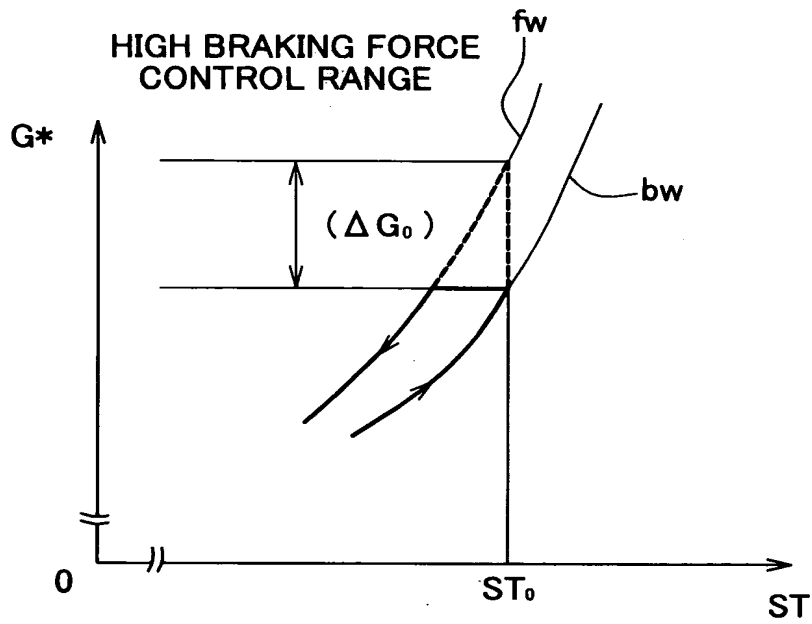


FIG. 19

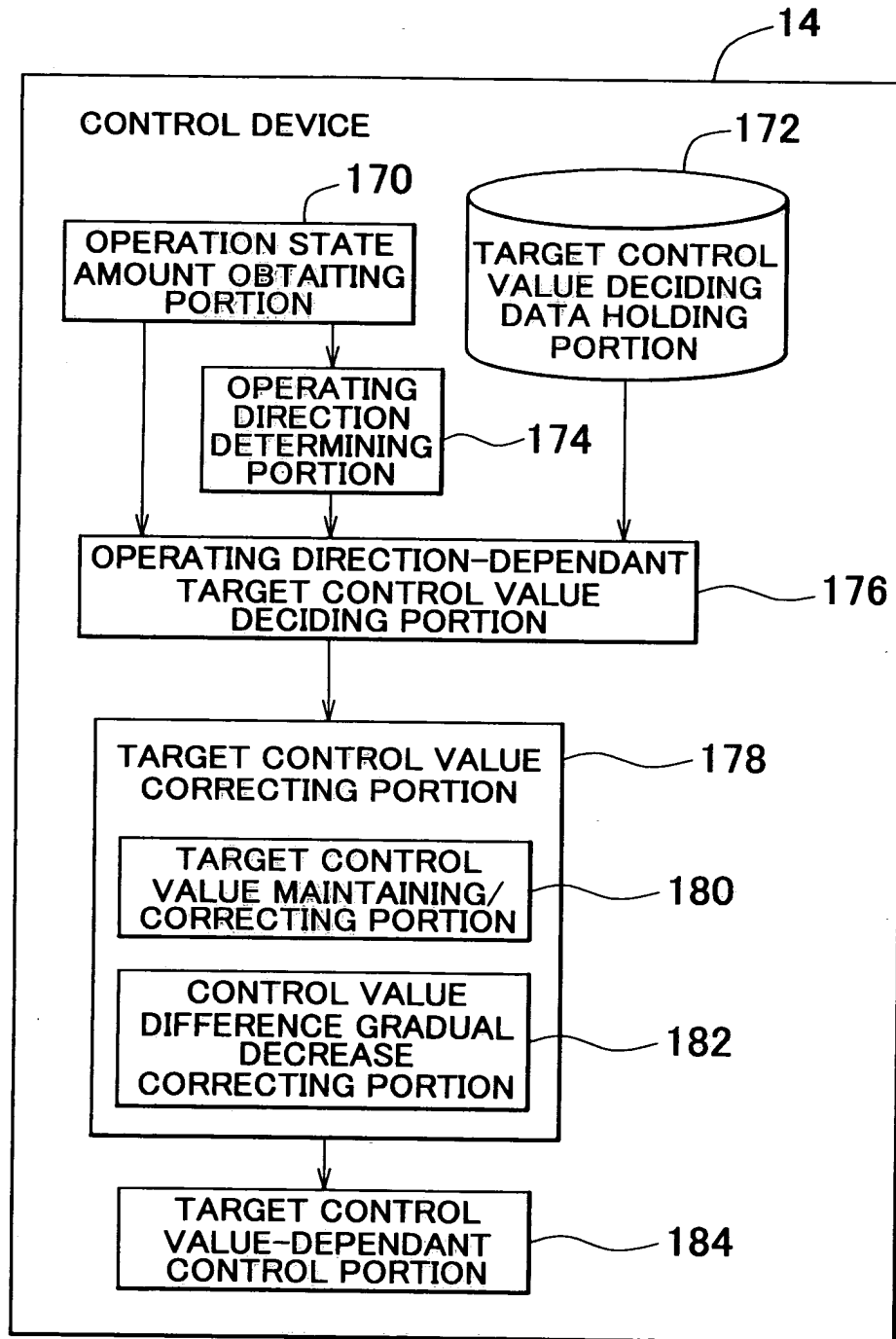


FIG. 20A

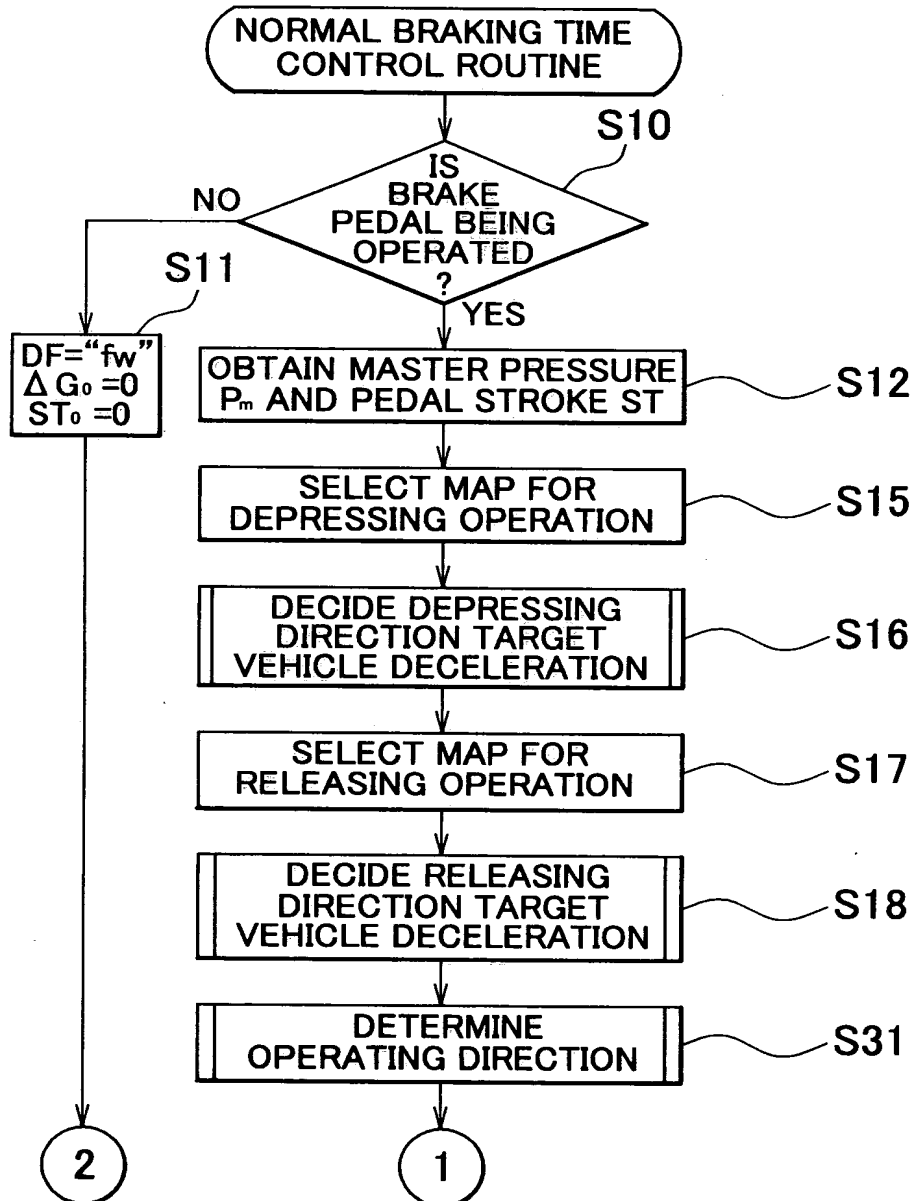


FIG. 20B

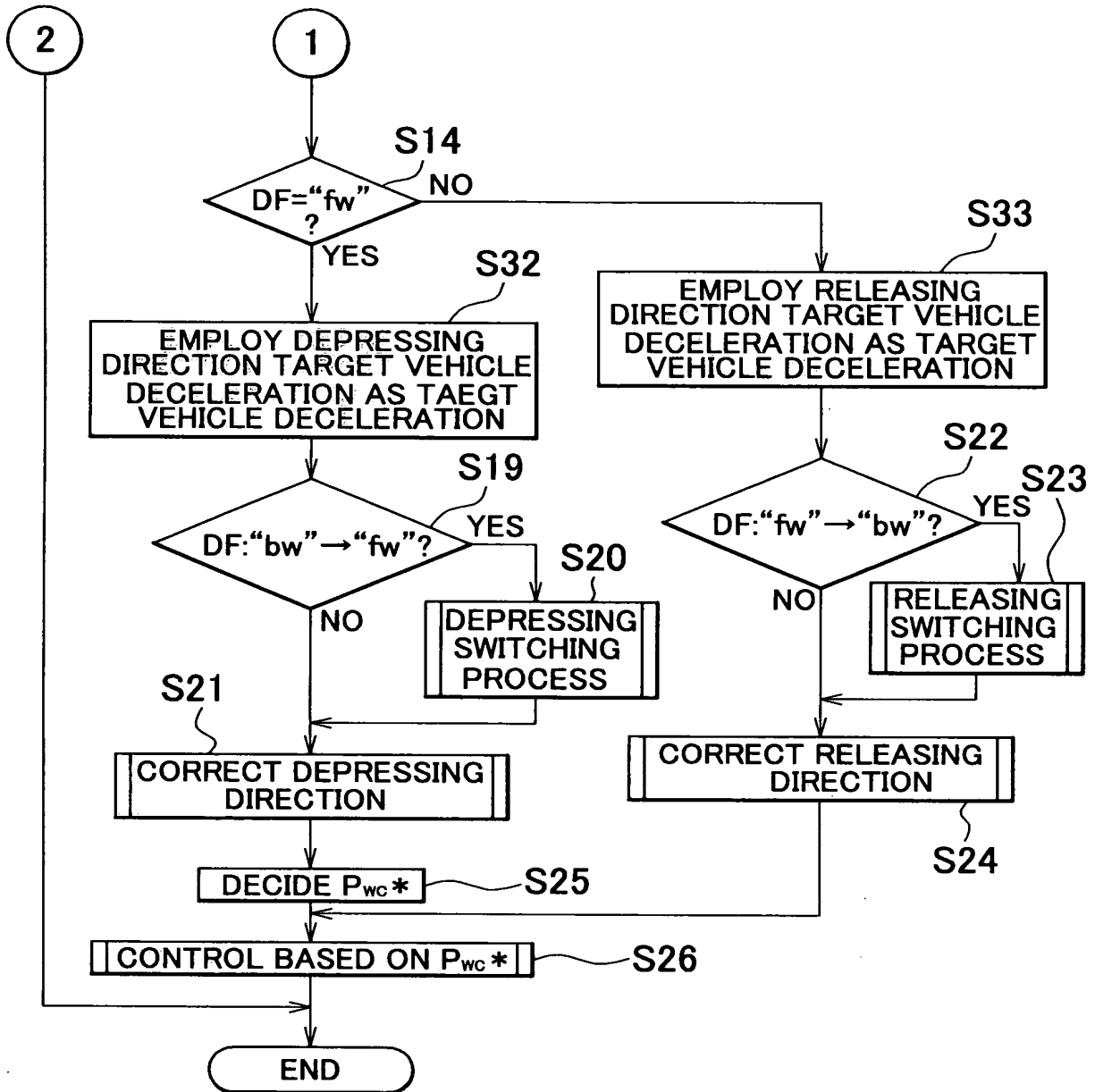


FIG. 21

